

FIG. 1

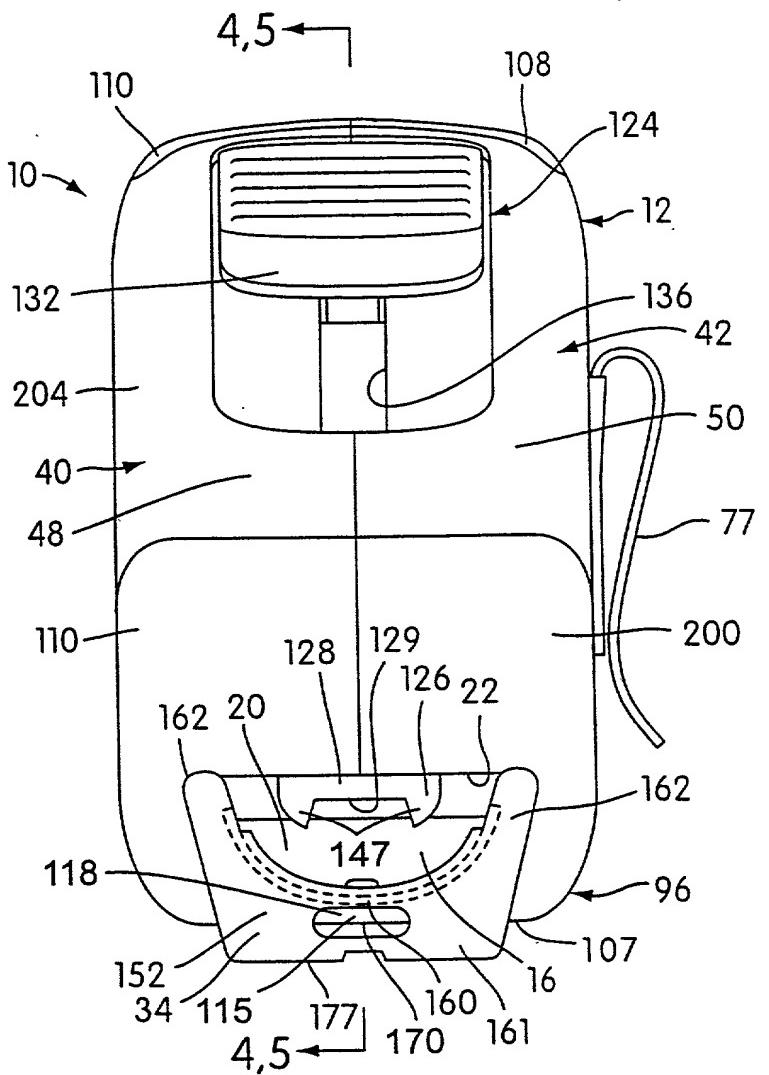


FIG. 2

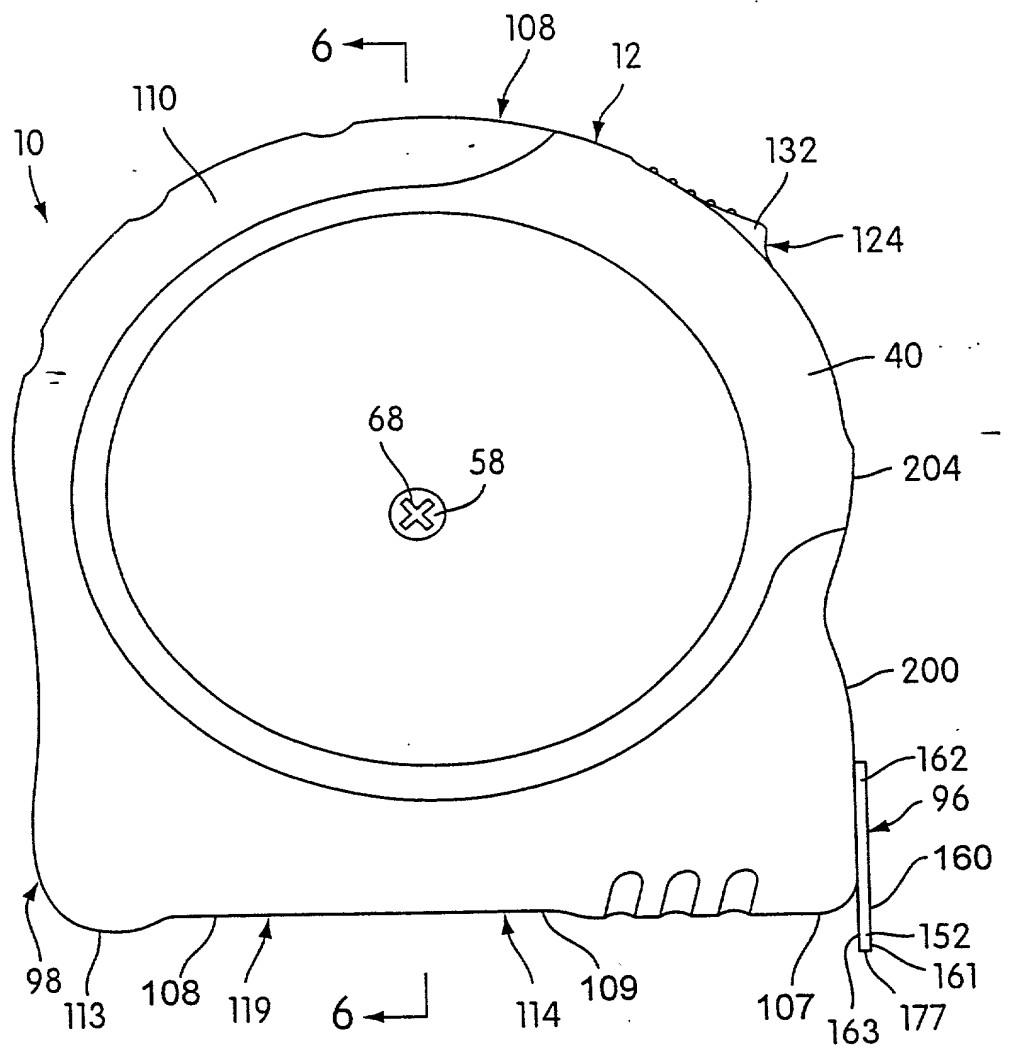


FIG. 3

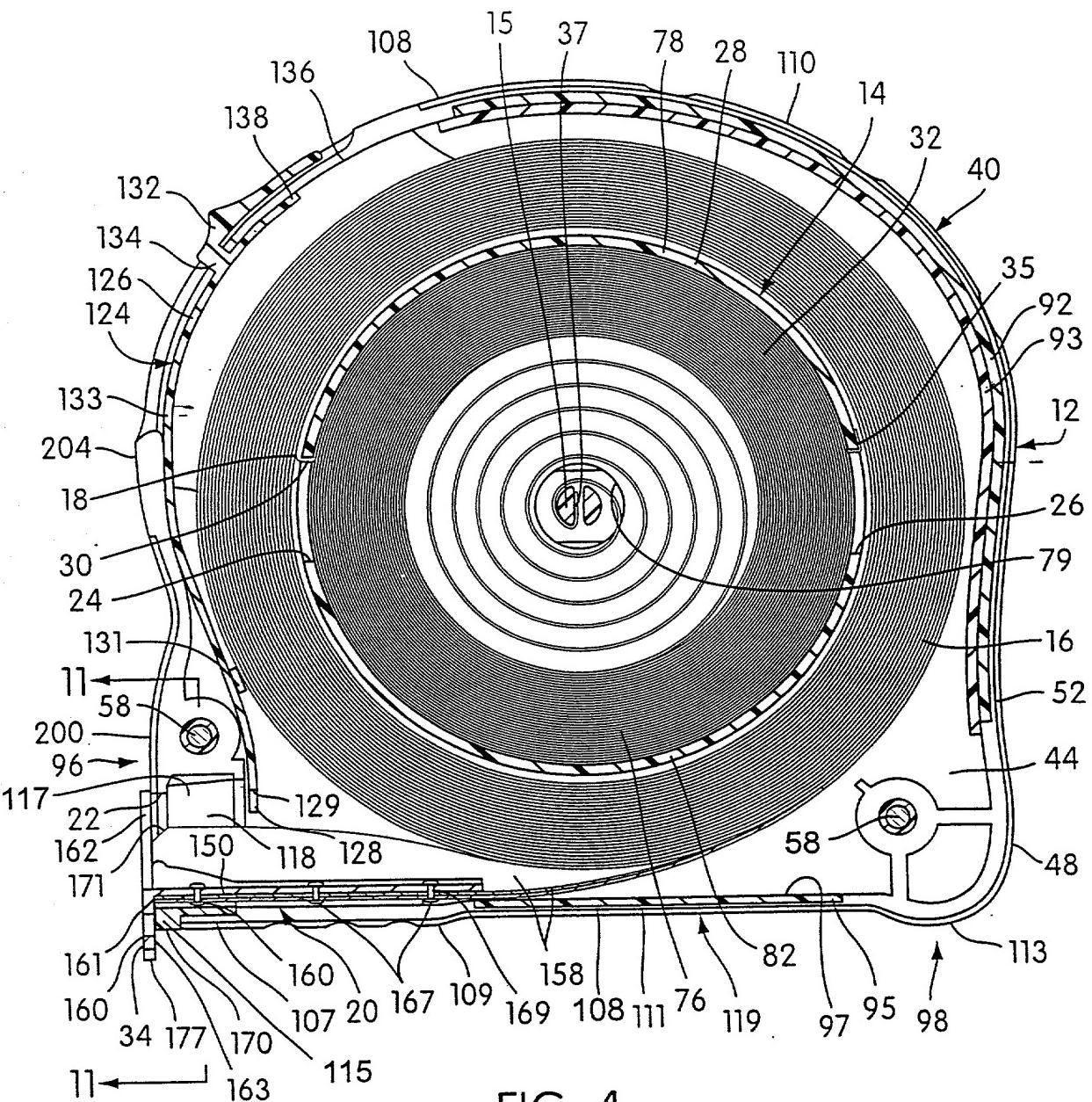


FIG. 4

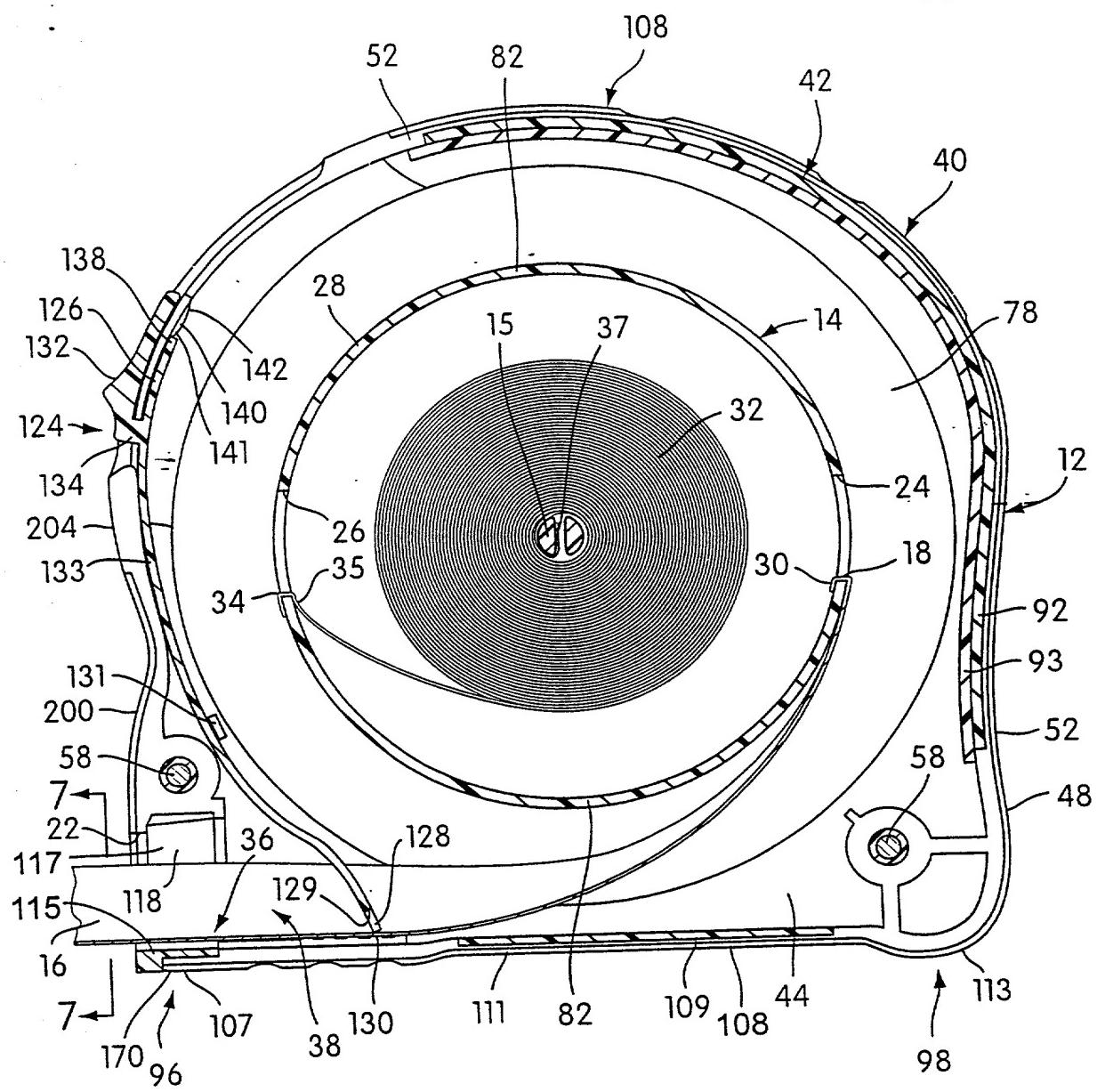


FIG. 5

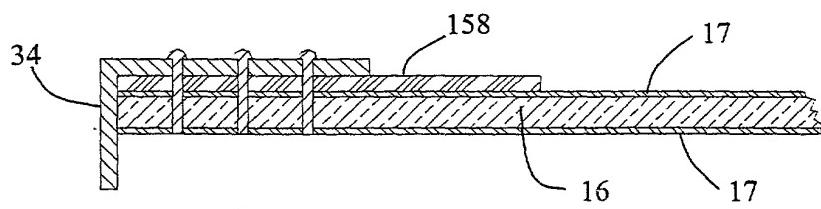


FIG. 5a

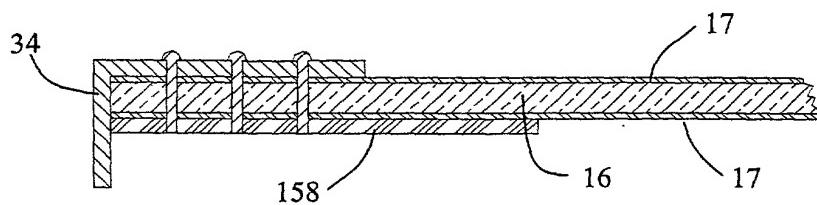


FIG. 5b

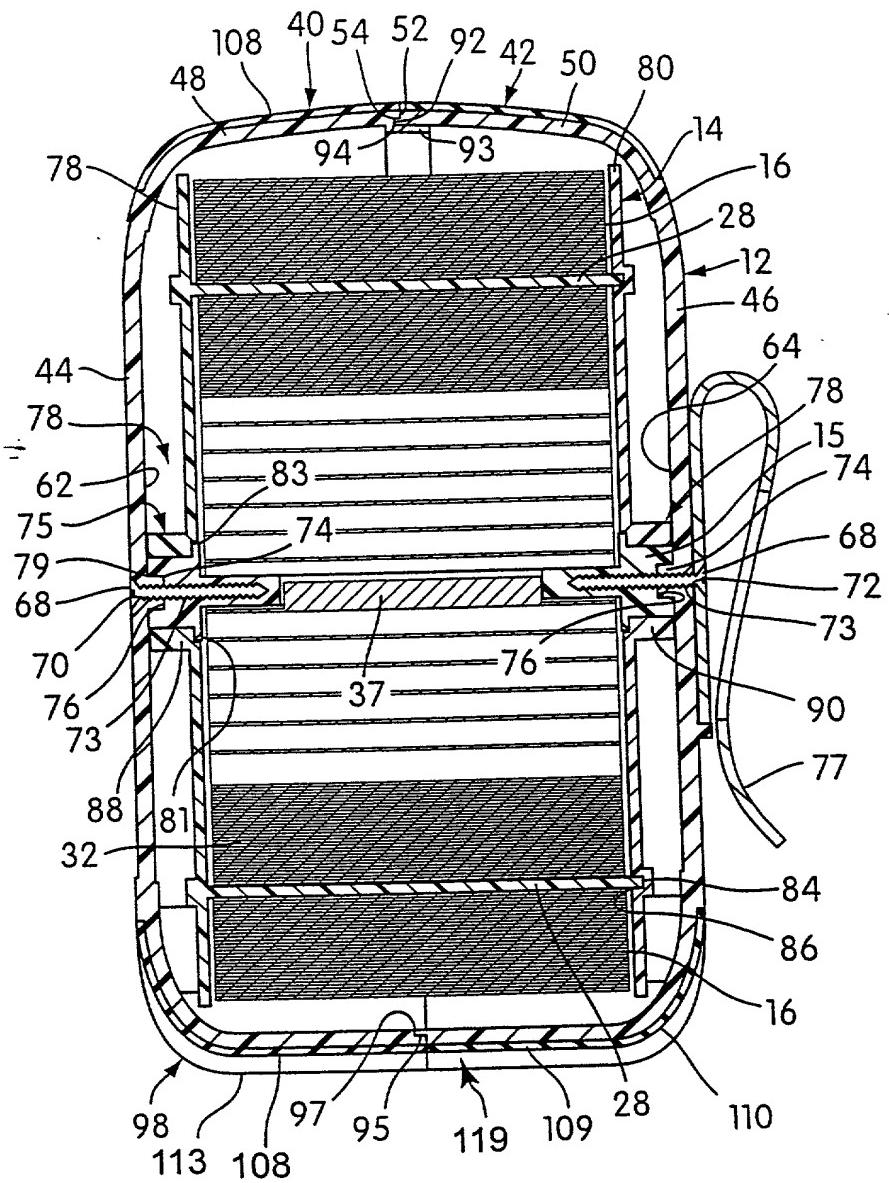


FIG. 6

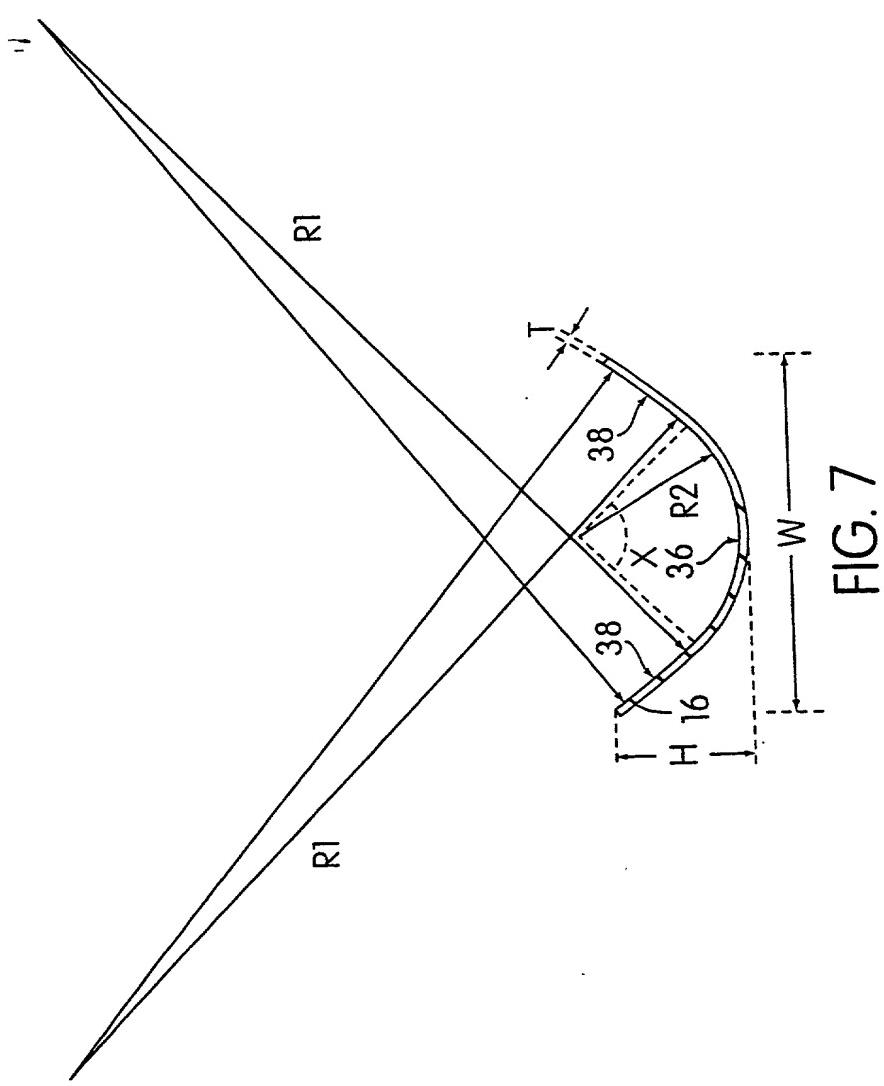


FIG. 7

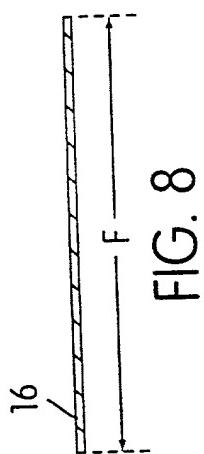


FIG. 8

TAPE RULE REQUIRED HEIGHT TO ACHIEVE FULL BLADE EXTENSION		MAXIMUM TAPE RULE ROTATION ANGLE "D" AT FULL EXTENSION (DEGREES)	
*BLADE / SPRING WIDTH (IN)		***LINEAR LENGTH-OUT "B" (IN) (RANGE +/- 3%)	
*BLADE / SPRING THICKNESS (IN)		PERCENT LINEAR TO ARCuate LENGTH-OUT	
*BLADE / SPRING WIDTH (IN)	"ARCuate" LENGTH-OUT "C" (IN / FT) (RANGE +/- .6 (IN))	"ARCuate" LENGTH-OUT "A" (IN) (RANGE +/- 3%)	PERCENT LINEAR TO ARCuate LENGTH-OUT
1.000 / 0.875	0.0045 / 0.0051	84 / 7 FT 79	23 94%
1.000 / 0.875	0.0051 / 0.0056	84 / 7 FT 80	22 95%
1.000 / 0.875	0.0051 / 0.0056	96 / 8 FT 86	40 90%
1.000 / 0.875	0.0056 / 0.0060	84 / 7 FT 81	18 90%
1.000 / 0.875	0.0056 / 0.0060	96 / 8 FT 91	31 95%
1.000 / 0.875	0.0056 / 0.0060	108 / 9 FT 93	53 86%
1.250 / 1.250	0.0051 / 0.0051	84 / 7 FT 83	5 96%
1.250 / 1.250	0.0051 / 0.0051	96 / 8 FT 95	8 95%
1.250 / 1.250	0.0051 / 0.0051	108 / 9 FT 107	17 99%
1.250 / 1.250	0.0051 / 0.0051	120 / 10 FT 119	30 99%
1.250 / 1.250	0.0051 / 0.0051	132 / 11 FT 129	38 98%

PRIOR ART

* BLADE WIDTH MEASURED IN FLAT FORM OR ARCuate PERIMETER OF THE CROSS SECTION

** RAW STEEL THICKNESS (WITHOUT COATING(S))

*** ACTUAL UTILITY OF TAPE BLADE STANDOUT

**** ROTATION ANGLE REQUIRED WHEN MEASURING VERTICAL POINTS ABOVE HORIZONTAL PLANE OF BLADE TIP

FIG. 9

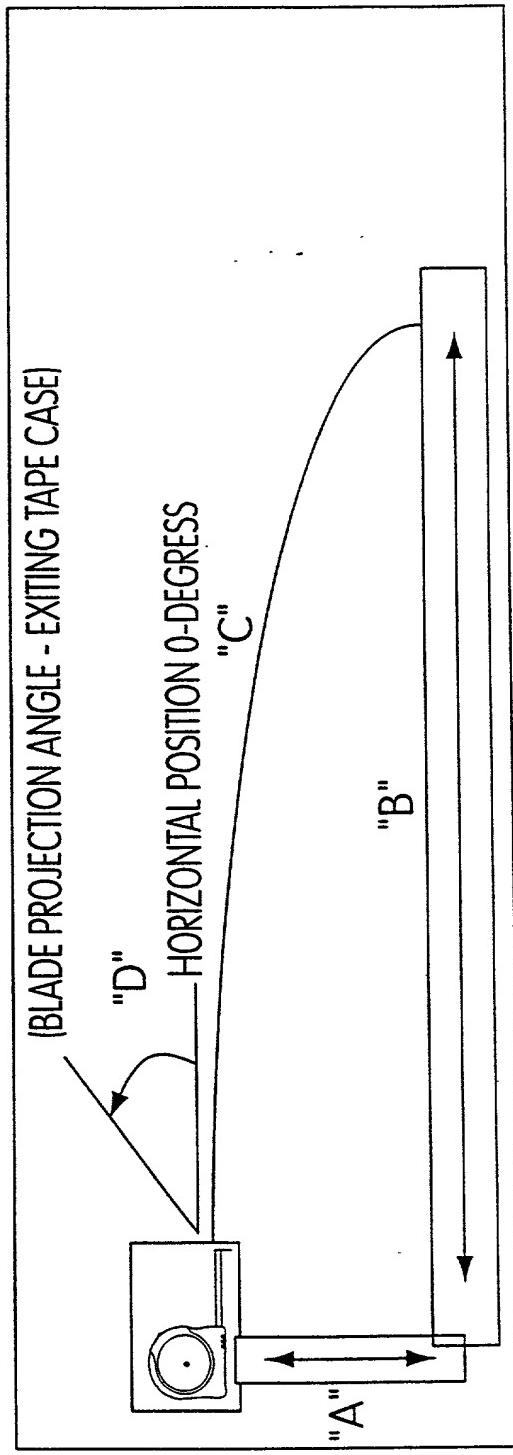


FIG. 10

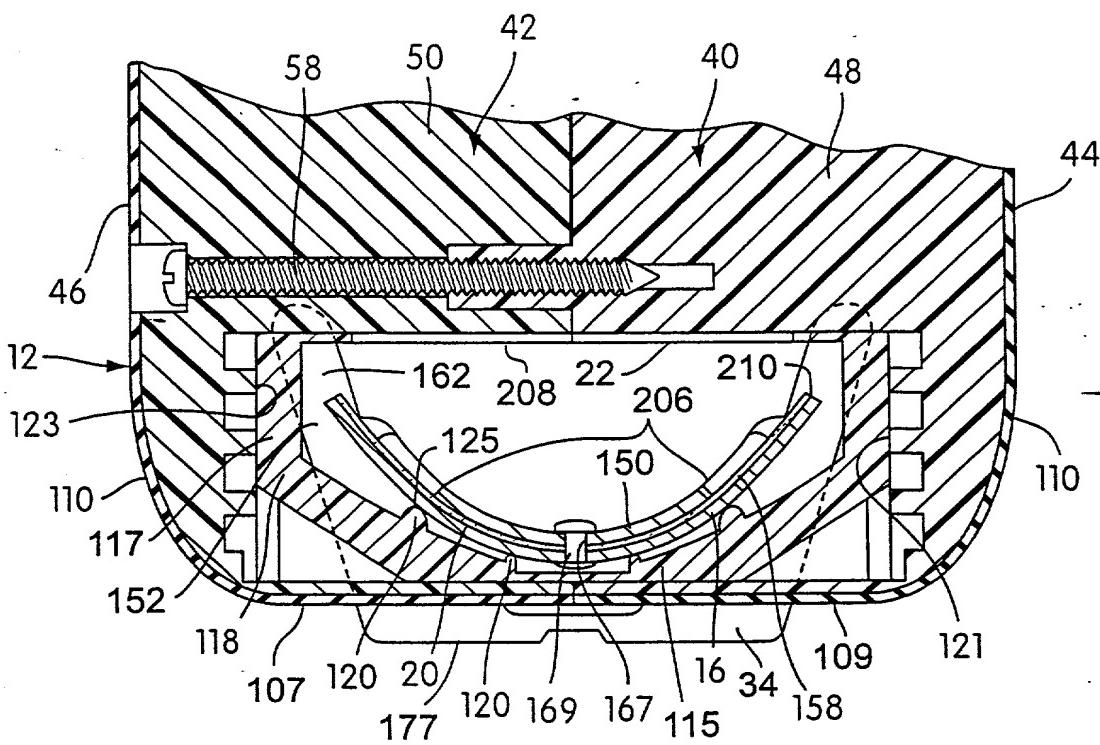


FIG. 11